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Surface modification of resin tube - by irradiating laser or UV with photon energy, to area contacting material contg element e.g. of silicon, titanium, barium

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Patent Family:

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JP 7179636	A	19950718	JP 93328960	A	19931224	199537 B

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Patent Details:

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JP 7179636	A	6	C08J-007/18	

Abstract (Basic): JP 7179636 A

Modification of inner wall of tube made of polymers contg. F in the side chains comprises irradiating laser or UV ray with photon energy of not less than 128 kcal to the area contacting with material contg., at least, an element chosen from Si, Ti, H, Li, Ga, Ba, Al, or B. The polymers contg. H in the side chains are opt. modified by irradiating laser or UV ray with photon energy of not less than 80 kcal, contacting with material contg., at least, an element chosen from B, P, S, Pt, Br, O, Cl, H, or F.

USE - Tubes or pipes modified inner surface.

ADVANTAGE - Irradiation of active ray modifies inner surface of tube, improving wettability or adhesion or other materials.

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Derwent Class: A35; A88

International Patent Class (Main): C08J-007/18